

I claim:

1. A closure with a tamper indicating band arrester,  
5 comprising:

a closure having a top wall and skirt depending from a  
peripheral edge of said top wall;

10 said skirt having a thread extending radially inward from  
an inner surface thereof;

15 a tamper indicating band releasably connected to said skirt  
by a plurality of frangible webs;

20 said tamper indicating band having an annular step  
extending from an inner surface of said tamper indicating band;  
and,

25 a tamper indicating bead extending radially inwardly from  
said tamper indicating band, said bead positioned axially below  
said annular step.

2. The closure with a tamper indicating band arrester of claim  
1 further comprising a container with a container neck and a  
20 finish bead having an upper portion and a lower portion disposed  
on said container neck.

25 3. The closure with a tamper indicating band arrester of claim  
2, where said annular step is operably engaging said lower  
portion of said finish bead.

4. The closure with a tamper indicating band arrester of claim  
2, said tamper indicating bead being positioned below said lower  
portion of said finish bead and having a smaller diameter than  
said lower portion of said finish bead.

5 5. The closure with a tamper indicating band arrester of claim  
1 further comprising a knurled finish on an outer surface of  
said skirt.

6. The closure with a tamper indicating band arrester of claim  
1 further comprising a frangible webs adjacent an upper portion  
10 of said finish bead.

7. The closure with a tamper indicating band arrester of claim  
1 further comprising a rotary seal depending downwardly and  
inwardly from said top wall and extending upwardly and outwardly  
from said skirt.

15 8. A closure with a tamper indicating band arrester,  
comprising:

    a closure having a top wall and a skirt depending from a  
    peripheral edge of said top wall;

20     said skirt having a thread extending radially inward from  
    and helically about an inner surface thereof;

    a tamper indicating band frangibly connected to a lower  
    edge of said skirt by a plurality of frangible webs;

said tamper indicating band arrester having an annular step; and,

a tamper indicating bead extending radially inward from said tamper indicating band, said tamper indicating bead 5 positioned axially below said annular step.

9. The closure with a tamper indicating band arrester of claim 8 further comprising a tamper indicating transition surface connecting an inner surface of said annular step and an inner surface of said tamper indicating band.

10. 10. The closure with a tamper indicating band arrester of claim 9 wherein said plurality of frangible webs are located above said annular step.

11. The closure with a tamper indicating band arrester of claim 9 wherein said plurality of frangible webs are adjacent said 15 upper portion of said finish bead.

12. The closure with a tamper indicating band arrester of claim 10, said tamper indicating bead having a tapered wall connecting an inner surface of said tamper indicating bead to an inner surface of said tamper indicating band.

20 13. A closure and container combination, comprising:

a closure having a top wall and skirt depending from a peripheral edge of said top wall;

said skirt having a thread extending radially inward from an inner surface thereof;

a tamper indicating band frangibly connected to said skirt by a plurality of frangible webs;

5        said tamper indicating band having an annular step extending radially inwardly from an inner surface of said tamper indicating band;

a tamper indicating bead extending radially inwardly from said tamper indicating band, said tamper indicating bead positioned axially below said annular step;

10       a container having an open end and an annular neck bead below said open end;

said neck bead having an upper portion and a lower portion;

15       said annular step of said tamper indicating band in interfering relationship with said lower portion of said neck bead.

14. The closure container combination of claim 13, said tamper indicating bead being positioned below said annular step and having a smaller diameter than said annular step.

20 15. The closure and container combination of claim 13, said container neck bead comprising an upper and a lower portion.

16. The closure and container combination of claim 15, said container neck bead upper portion having a smaller diameter than said container neck bead lower portion.

17. The closure and container combination of claim 13, further 5 comprising a knurled finish on an outer surface of said skirt.

18. The closure and container combination of claim 13, wherein said plurality of frangible webs are located above said annular step and adjacent said upper portion of said finish bead.

19. The closure and container combination of claim 13, wherein 10 said plurality of frangible webs are located adjacent said upper portion of said neck bead.

20. The closure and container combination of claim 13, said tamper indicating bead having at least one tamper indicating bead transition on said inner surface of said tamper indicating 15 band.

21. A closure with a tamper indicating band arrester, comprising:

a closure having a top wall and a skirt depending from a peripheral edge of said top wall;

20           said skirt having a thread extending radially inward from an inner surface thereof;

a tamper indicating band frangibly connected to said skirt by a plurality of frangible webs;

a container having a neck, a thread, and a container finish bead;

5        said container finish bead having an upper and a lower portion, said lower portion extending radially inward beyond said upper portion between .02" and .07";

      said tamper indicating band having an annular step, said annular step having a smaller diameter than a lower portion of a 10      finish bead and being positioned above said lower portion of said finish bead;

      said plurality of frangible webs located above said annular step;

      a tamper indicating bead extending radial inwardly from 15      said tamper indicating band;

      said tamper indicating bead positioned axially below said annular step.

22. The closure with a tamper indicating band arrester, of  
claim 21 further comprising at least one tamper indicating band  
20      transition depending from an inner surface of said annular step  
and below said frangible web.

23. A container and closure with a tamper indicating band  
arrester, comprising:

a container having a closure threadably received thereon;

a tamper indicating band frangibly connected a lower

5 peripheral edge of said closure;

said tamper indicating band and said container having means  
to prevent tiring between a container finish bead and said  
tamper indicating band.

24. A closure and container combination, comprising:

10 a closure having a top wall and skirt depending from a  
peripheral edge of said top wall;

said skirt having a thread extending radially inward from  
an inner surface thereof;

a tamper indicating band frangibly connected to said skirt

15 by a plurality of frangible webs;

said tamper indicating band having an annular step  
extending radially inwardly from an inner surface of said tamper  
indicating band;

a tamper indicating bead extending radially inwardly from

20 said tamper indicating band, said tamper indicating bead  
positioned axially below said annular step;

Tamper Indicating Band Arrester  
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a container having an open end and an annular neck bead  
below said open end;

said annular step of said tamper indicating band in  
interfering relationship with said neck bead.

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